

Fig. 1
(Prior Art)

The diagram illustrates a multi-layered system architecture, likely for a telephony or messaging service. The architecture is organized into three main layers:

- Services Layer (172):** This layer contains various services (174-190) that interact with the Event Bus (IMS) (194). These services include Billing, Logging, Location, Advertising, Transaction, Notification, Personalization, and Additional Services. Each service is represented by a box with internal components and arrows indicating data flow.
- Application Layer (156):** This layer includes the Application Server (160), VXML Interpreter (164), and Speech Objects Server (166). The Application Server (160) is connected to the Event Bus (IMS) (194) and the VXML Interpreter (164). The VXML Interpreter (164) is connected to the Speech Objects Server (166).
- Presentation Layer (154):** This layer includes the Telephony Server (155) and the Audio Manager (157). The Telephony Server (155) is connected to the Event Bus (IMS) (194) and the Audio Manager (157). The Audio Manager (157) is connected to the Speech Objects Server (166).

External components and their connections include:

- Networks:** The system is connected to the PSTN (152) and the Internet (162). The PSTN (152) includes a Caller (150) and a Managed Data Network (170). The Internet (162) includes various gateways (153) and servers (157).
- Gateways and Servers:** The system includes gateways (153) such as the SIP Gateway, SS7 Gateway, and WAP Gateway. It also includes servers (157) such as the Proxy Server, SIP Server, and WAP Server.

Fig. 1A

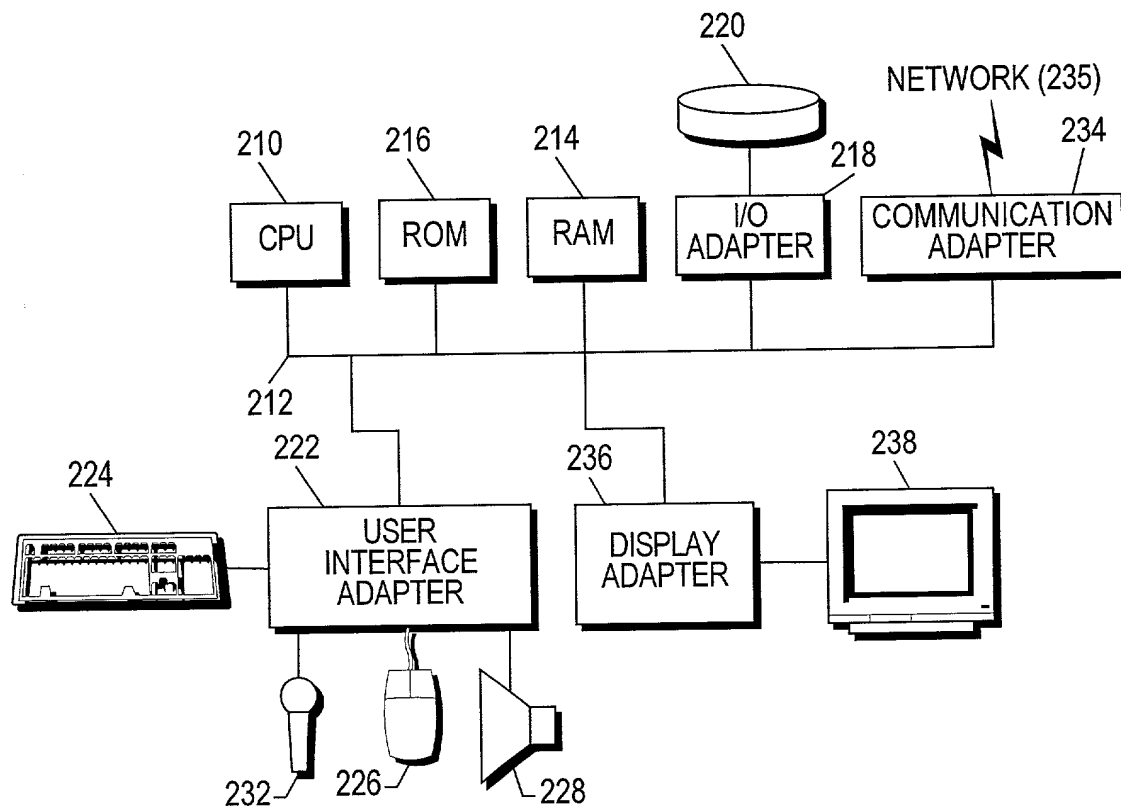


Fig. 2

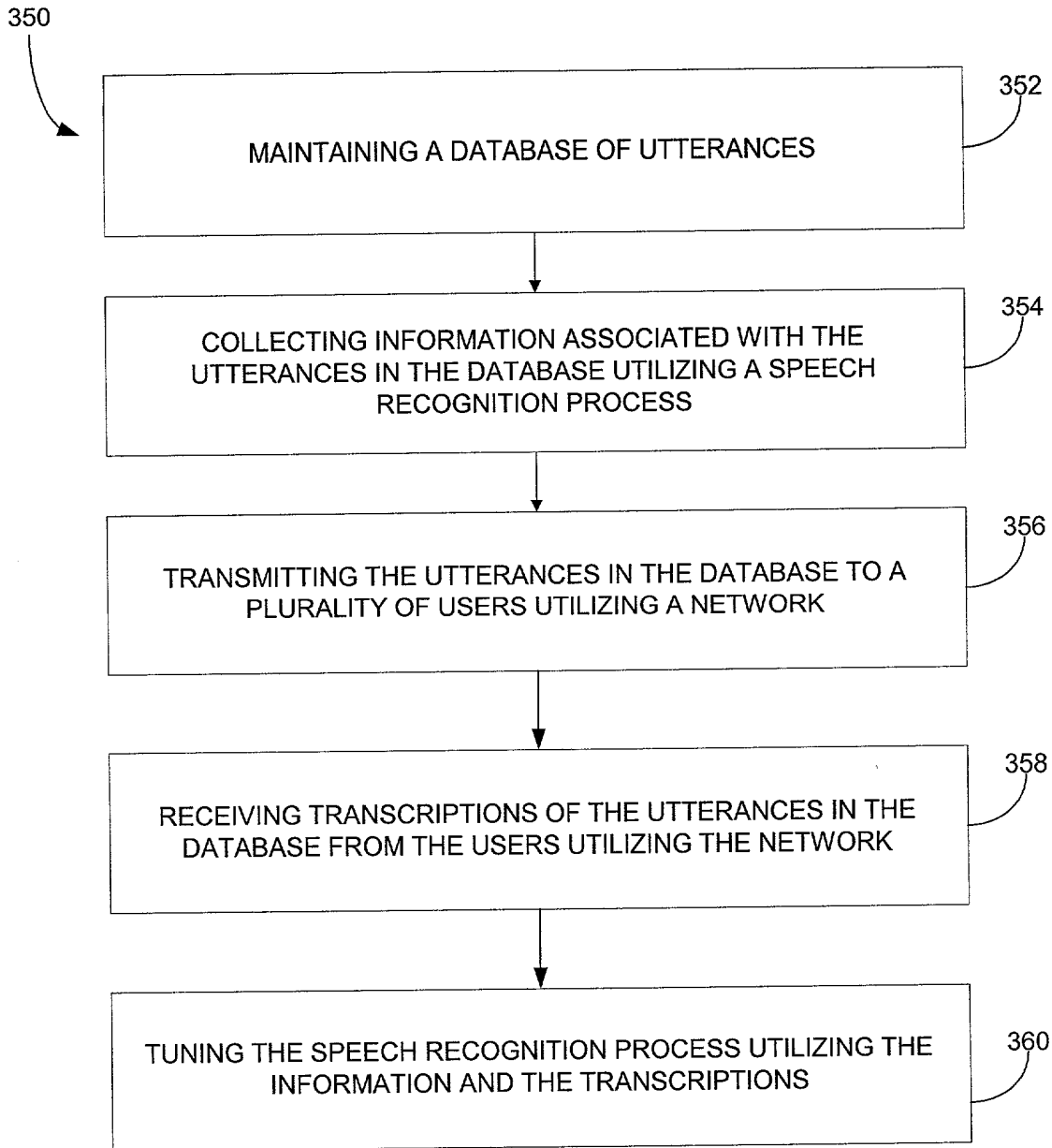


Fig. 3

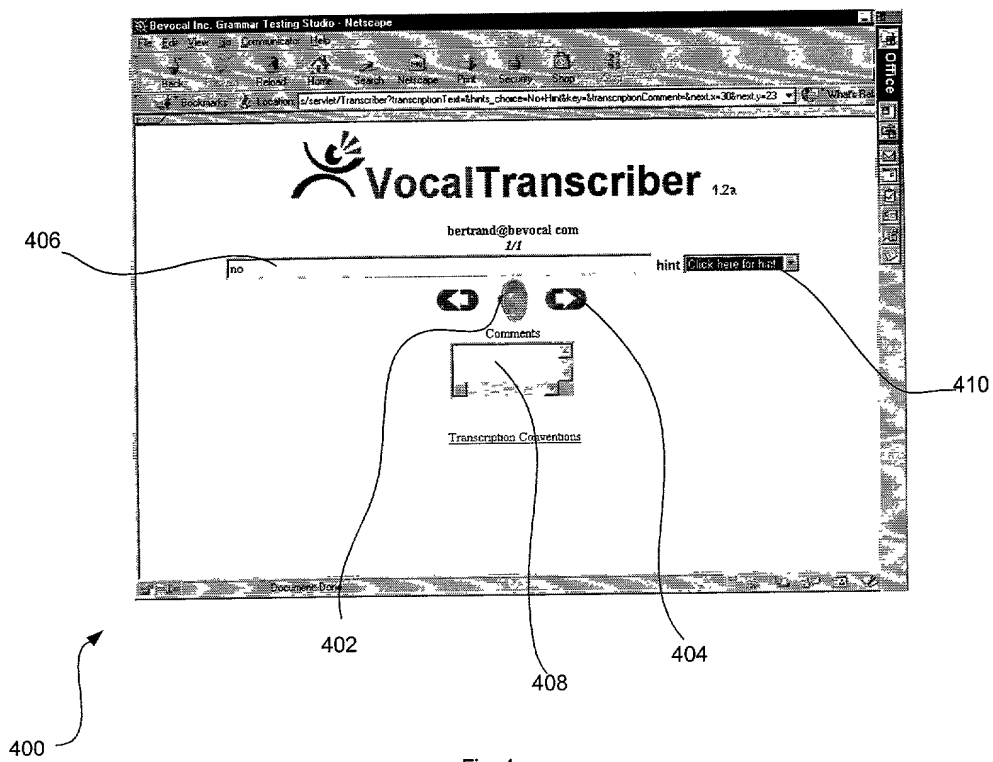


Fig. 4

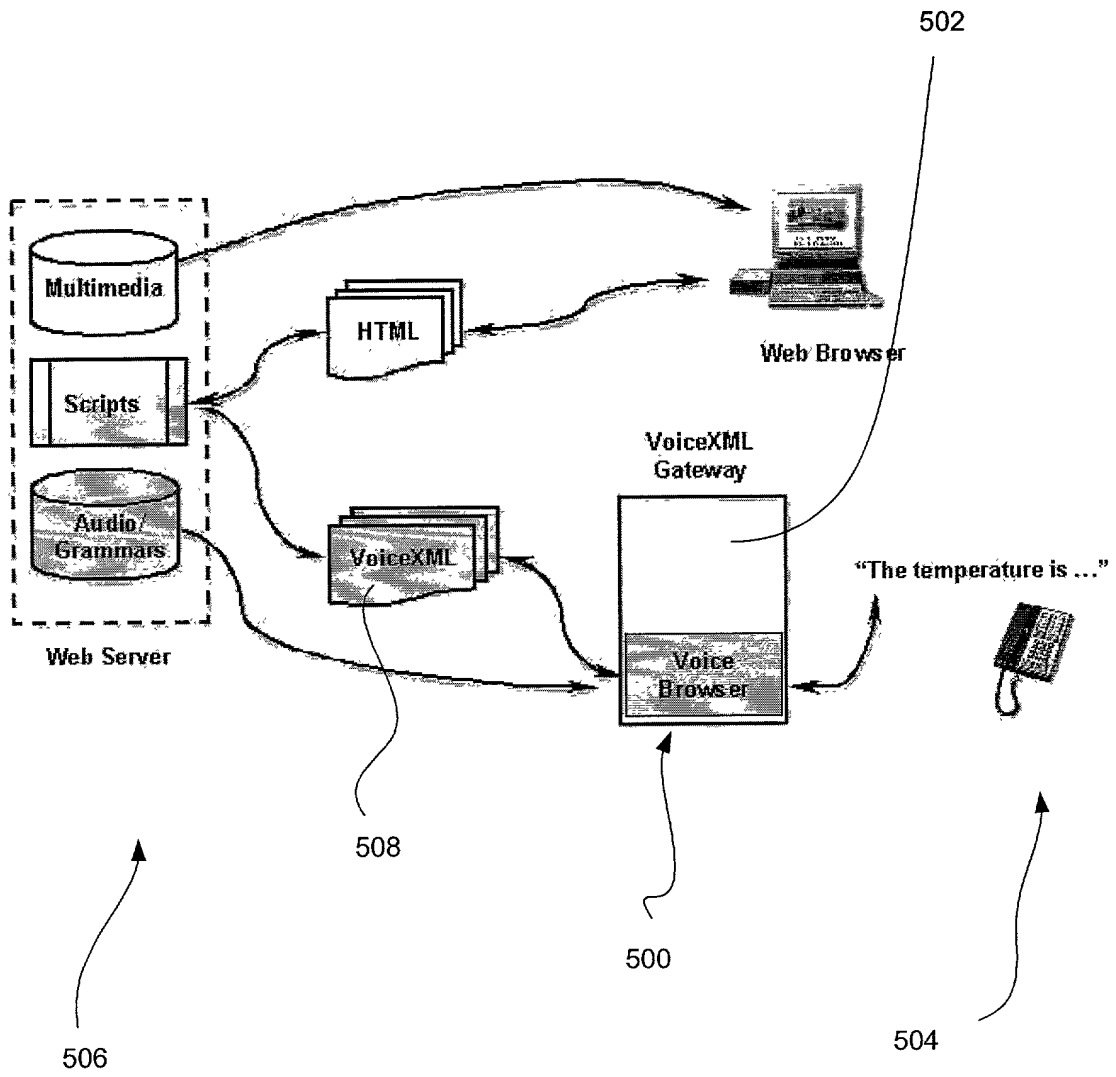


Fig. 5

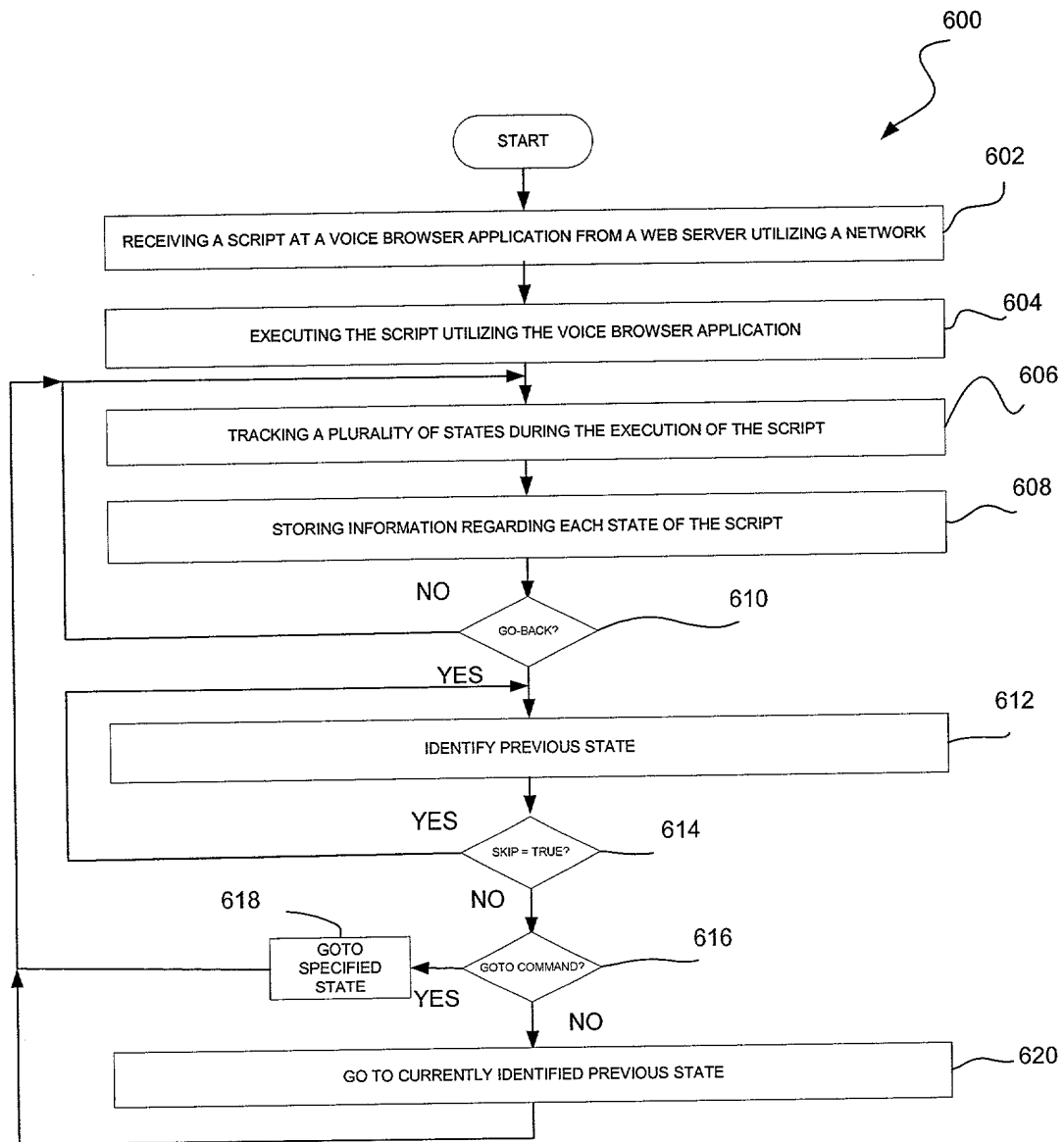


Figure 6